

## RIDGE FIRST IN AREA TO TOP RED CROSS GOAL

### The Great A-Bomb Robbery

## Grimly - Guarded Secrets Lost Despite Security Wall

This is the story of how Russia stole the secrets of the atomic bomb and of the shadowy men and women who successfully engineered the most astounding international theft of all time.

The author, writer-reporter-columnist Bob Considine, talked with Scotland Yard men and atomic experts in England. He interviewed FBI agents, security officials, scientists and others in this country. He obtained access to information never before published. He weaves it all into the story that begins herewith in the first of 11 articles.

By **BOB CONSIDINE**  
International News Service  
Staff Correspondent  
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During the tense and costly years when the United States, Britain and Canada were engaged in the creation of the atomic bomb, no known effort was made by any of the bomb's intended victims—Italy, Germany and Japan—to steal its devastating formula and beat the Allies to the punch.

The grimly-guarded secrets of the bomb were stolen, however, by an ostensible ally—Russia—in the most daring, economical and sinister cloak-and-dagger conspiracy in history.

This and subsequent articles will attempt to place in proper perspective the men and women who participated in that spying coup and the methods by which they achieved their shocking goal. They are responsible, at least in part, for the heavy taxes which burden you, rising costs and public debts which will reach well into the 21st Century.



Bob Considine

Justice has landed heavily upon those who have been apprehended. But their deed is done and its excruciating success is measured by recurrent tests of the Soviet A-Bomb.

### Persecution Boomeranged

For a time it seemed the destiny of the Axis to create the A-Bomb. But political and racial persecution boomeranged in the faces of Mussolini and Hitler, providentially depriving them of the bomb.

While teaching at the universities of Florence and Rome between 1934 and 1938, Dr. Enrico Fermi, now of the University of Chicago, came perilously close to discovering that the uranium atom could be split and potentially produce undreamed-of power. It is a popular tale that an ill-placed bit of lead foil deprived Fermi of an even greater place in science than he now holds.

### Foil Foiled Mussolini

It can be reasoned that the same bit of foil foiled Mussolini. For Fermi might well have been forced to divulge his discovery for the "good" of the state. Fortunately, the Italian scientist fled Italy when it appeared he might be arrested for his anti-Fascist views. His work with the United States bomb was tremendous.

Late in 1938 Dr. Lise Meitner, working with the German physicists Hahn and Strassman at the Kaiser Wilhelm Institute in Berlin, made the startling observation that uranium bombarded by the sub-microscopic emissions of radium was partly transmuted into two elements of approximately half the atomic weight of uranium—Krypton and Barium.

### Made Physics Books Obsolete

The astonishing discovery, in one stroke, rendered obsolete every book on physics written since the time of the early Greeks. Dr. Meitner had broken atoms and she sensed that she had opened the door to a world of explosive energy too overwhelming to comprehend adequately.

Before Dr. Meitner had an op-

portunity to relay her earth-shaking findings to her superiors at the Nazi-dominated institute, she learned that Heinrich Himmler's exclusion act would force her to leave Germany because she was partly Jewish. She took the discovery out with her, starting the human chain reaction which reached fruition in the United States.

### Wall Of Security Erected

To understand the enormity of the eventual robbery of the bomb secrets by agents of the USSR one should first understand the tremendous wall of security we placed around our bomb-building activities.

To begin, the little group of scientists who knew an atomic bomb was possible would not even trust the United States mail to deliver the historic letter from Prof. Albert Einstein to President Roosevelt, the springboard of the \$2 billion Manhattan Project which produced the bomb. The letter, instead, was carried by hand by Alexander Sachs, and several tense months were lost while he waited to gain admission to Mr. Roosevelt's office.

### Activities Were Dramatic

After the army entered the picture it set up, under Gen. Leslie R. Groves, a 250-man security force unique in our annals. That it was in time punctured, notably

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## Electrical Engineers Meet Tonight To Hear UT Man

Y-12 members of the Oak Ridge Chapter of the American Institute of Electrical Engineers are urged to attend the chapter meeting to be held at 8 o'clock tonight, Wednesday, March 26, in the West Lounge of the Ridge Recreation Hall. Dr. John D. Trimmer, of the University of Tennessee, will be the principal speaker. His topic will be "The Ingredients of Nuclear Reactor Control."

## Y-12 Credit Union Members Favor Insurance Plan

### Applications For Loans Now Must Be Received By Monday Afternoons

Approximately 60 per cent of the members of the Y-12 Employees Credit Union favor retention of the insurance feature offered by the organization, it was announced last week by W. K. Prater, of Isotope Research and Production, chairman of the educational committee of the credit union. The credit union life insurance provides coverage for all share holders on amounts up to \$1,000, the coverage matching the amount in the share holder's account. The premium on this insurance is 78 cents per \$100 and is paid out of dividends declared by the credit union.

### Credit Group Meets Tuesday

Prater also announced that the credit committee of the credit union now holds its regular weekly meetings on Tuesday to pass on applications for loans. As a result prospective borrowers are warned that it is necessary to have the application in at the office of the credit union, second floor, Bldg. 9704-2, by 4:30 o'clock on Monday afternoon.

Prospective borrowers also are reminded that their badge numbers should be included with the name on the application blanks. This will save much time for the borrower and credit union office staff alike.

### Year Service Is Required

The credit committee also stated last week that loan applications are being filed in better shape now than ever before, expediting action. However, applicants with co-signers are again reminded that the co-signers must have at least one year of Company service in Y-12 before they are eligible to endorse an application.

Any Y-12er wishing information on credit union procedures and action is asked to communicate with Prater, Bldg. 9731, telephone 7191.

## 'Products, Processes' Booklet Interesting Reading For Y-12ers

There are a lot of things Y-12ers ought to know about Union Carbide and Carbon Corporation.

So Union Carbide publishes every year its descriptive booklet "Products and Processes"—and the 1952 edition with up-to-date facts and figures interestingly related and profusely illustrated—now is available to every Y-12 employee at the office of The Bulletin, North Portal. Of course, it's free.

The general story and condensed summary of the activities and products of the Corporation groups are told in "Products and Processes." The five groups are alloys and metals; electrodes, carbons and batteries; industrial gases and carbide; chemicals; and plastics.



Dr. A. B. Kinzel

## New Studies Indicate Increased Steel Use

New studies in the crystal structure of metals made at extremely high magnifications with the electron microscope may lead to a substantial increase in the consumption of stainless steels in the next few years, Dr. A. B. Kinzel, President of Union Carbide and Carbon Research Laboratories, Inc., said in an address a few days ago.

### Kinzel Gives Howe Lecture

Dr. Kinzel, Chief Consultant in Metallurgy to the Los Alamos National Laboratory of the Atomic Energy Commission, addressed the second session of the annual meeting of the American Institute of Mining and Metallurgical Engineers, which was held in New York recently. He gave the Howe Memorial Lecture, top honor in the metallurgical field. It is delivered each year on invitation by an individual of outstanding achievement in ferrous metallurgy.

Electron micrographs at 20,000 magnifications, which would make the head of a pin look as large as a baseball diamond, were used in studying the behavior of carbon in stainless steels. Particular attention has been paid to the shape and distribution of chromium carbides. Dr. Kinzel said that as a result of the exhaustive study made by the Union Carbide laboratories, a new concept has been evolved that points the way to still more effective control of carbon in the stainless steels. It will not only broaden their field of application, but also make them more effective in many critical uses, such as jet aircraft, atomic energy installations, and

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## Society's Mineralogy Class Will Hold Meeting Tonight

The Oak Ridge Mineralogy Society will hold a meeting of its mineralogy class at 7 o'clock tomorrow night, Thursday, March 27, at the Ridge Recreation Hall. The class is being conducted for the society by G. A. Westerdahl, former Y-12er. It is being held every other Thursday to enable members to identify common minerals. The next meeting of the society will be held Thursday, April 10, in the American Museum of Atomic Energy building.

## Y-12ers' Record Aids In Success Of Local Drive

### Chapter Tops Southeast Section And Is Third In U.S. In Group No. 3

The city of Oak Ridge has another "first" to its credit—this time not in material achievements but in generosity and warm-heartedness in support of the 1952 American Red Cross fund campaign.

It has been officially announced by headquarters of the Southeastern Area of the Red Cross in Atlanta that the Oak Ridge chapter was the first in the area to reach and exceed its 1952 quota. The local chapter's goal was \$23,170 and local Red Cross authorities announced last week that more than \$25,000 had been subscribed by residents and business firms of Oak Ridge and Carbide employees—with the latter group leading the parade.

Carbide and Carbon Chemicals Company gave \$1,500 to the campaign.

### Goal Met In One Day

The 1952 Red Cross campaign in Oak Ridge was marked by the record-breaking speed and generosity of Y-12ers in "answering the call." The goal of \$2,500 was met and exceeded in the Y-12 plant in one day on February 26, the opening day of the campaign, and at the latest count the sum of \$4,958.15 had been turned over to the Red Cross chapter in contributions from Y-12 employees.

Not only was Oak Ridge first in the Southeastern Area to reach its 1952 Red Cross goal, but the local chapter also was third among the Group No. 3 chapters in the entire country. Group No. 3 is composed of chapters in cities of from 20,000 to 100,000 population.

### Chapter Authorities Pleased

The achievement of the Oak Ridge chapter elicited statements of thanks for the cooperative efforts of every resident of the city from Red Cross authorities most closely connected with the campaign.

"The generosity of every contributor to the Red Cross fund drive in Oak Ridge this year is to be commended," said George W. Flack, chairman of the local chapter. "Without the wide support of the entire citizenry we could not have set this fine record."

Flack is assistant superintendent of industrial relations at Y-12.

### Tribute To Support

Carl C. Martin, of Management Services and chairman of the fund

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## SAFETY SCOREBOARD

Your Plant Has  
Operated

20 Days

Without A Lost Time  
Accident

Through March 23



# The Bulletin

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## Two Plays Scheduled By Children's Theater

Two stage productions, one for adult entertainment and the other for children, will be presented over the coming week end under auspices of the Oak Ridge Children's Theater for the benefit of the group's activities fund.

The first play, "Voice Of The Turtle," will be given at 8:15 o'clock Saturday night, March 29. This is intended for adult entertainment and admission will be \$1.25 per person. At 2:30 o'clock Sunday afternoon, March 30, the offering will be "The Raggedy Anderson," a children's play. Admission for this show will be 50 cents per person. The Saturday show will be presented at the Jefferson High School and the Sunday performance at the civic auditorium.

Many Y-12ers are active in directing the affairs of Children's Theater that gives youngsters of Oak Ridge an opportunity to appear in theatrical productions themselves and see imported attractions.

## Lady Baden-Powell Speaks Here Monday

Observance by Oak Ridge Girl Scouts of the 40th anniversary of the founding of the organization will be climaxed by the appearance here next Monday night, March 31, of Lady Olave Baden-Powell, whose late husband organized both the Boy Scouts and Girl Scouts movement in England. Lady Baden-Powell will speak at 8:15 o'clock in the new civic auditorium in the high school building on "Today's Boys and Girls, Tomorrow's Leaders."

Many Y-12 parents are active in the Girl Scout Council of Oak Ridge and many daughters of Y-12ers are members of the several troops in the city.

As a feature of the birthday observance by the Girl Scouts, a radio program was presented last Sunday by the Girl Scout Forum of the Air. The theme of the program was community service and a committee of five senior Scouts prepared the script with the assistance of Roberta McCutchen, of Y-12. Among the Scouts preparing the program whose parents are Y-12ers were Gail Gilliam, Emily Duke and Ruth Ann Dickinson.

## ORCMA Will Present Concert Of Folk Songs On Tuesday

Richard Dyer-Bennet, tenor and guitarist, will appear in an Oak Ridge concert next Tuesday night, April 1, in a program of folk songs and ballads. The concert will be in the civic auditorium in the new high school with curtain time at 8:15 o'clock.

The concert is being presented by the Oak Ridge Civic Music Association with admission for members being by the extra concert ticket No. 1.



6-4500  
Y-12 Photo By Vince Moore  
**GUESTS AT THE MISCELLANEOUS SHOWER GIVEN**  
March 19 for Miss Olean Rutland, a Y-12 bride-elect, are shown above. Front row, from left, Mrs. Wanda Livsey, Juanita Moore, Agnes Johnson, Miss Rutland, Mrs. Lora Mason, Mary Katherine Householder and Dorothy Reynolds. In the rear are Margaret Brooks, Nell Leonard, Frances Kelly, Ruth Andrews, Marcelle Ferguson, Thelma Knisley and Bertha Mai Nelson. The shower was given at the residence of Miss Ferguson, one of the hostesses, 105 Valparaiso Road. Miss Knisley was co-hostess.



Two Y-12ers observed happy wedding anniversaries last Thursday with the combined total of years of married bliss exceeding half a century. V. W. Arms, of Research Services and Mrs. Arms had been married 26 years and Pat Hamrick, of Personnel, just one year less. All of their many friends in Y-12 extend hearty congratulations to the happy couples.

Research Services reports L. R. Hall and F. H. DeFord still remain on the sick list and the department extends get-well wishes to them.

Evan Means and H. A. Sinclair, of Electrical Maintenance, attended the annual big game dinner given by the Unake Rod and Gun Club in Johnson City on March 18, where Gov. Gordon Browning was the featured speaker — Evan says it was really a non-political speech — on the wildlife conservation program. . . . James Miller has returned from a two-week vacation. . . . Get-well wishes go to L. R. Fisher.

The General Maintenance Offices welcome W. L. Reynolds to the roster. . . . Louise Argo's brother, G. M. Argo, arrived in Oak Ridge last Thursday from Paris, France. He is on a two-week leave from the Merchant Marine Corps, and is visiting his wife and son here in town.

Congratulations go to A. G. Stooksbury, of Field Maintenance, who is the proud father of a baby girl born March 19, in a Knoxville hospital. . . . A great big welcome is extended to C. J. Beckett, who returned last week after a long illness. . . . R. L. Green and S. N. Tadlock are on the vacation list for this week.

A. B. Crockett, of Utilities Maintenance, is vacationing this week. Lee W. Bagwell, of Safety, was in Nashville last Thursday and Friday to attend the Governor's Conference on Safety.

The Plant Engineering Department welcomes A. H. True and Robert E. Miller to their roster.

S. O. Venable and W. G. Hatfield, of the Guard Department, are on this week's vacation list. . . . while L. R. Stansberry is off on a two-week vacation.

The Health Physics Department welcomes B. F. Rutherford to its roster.

All of the Assay Laboratory folks are extending words of sympathy to Annie Rogers. Her grandmother died a few days ago in South Carolina and Annie herself was ill last week—double trouble, that is. . . . M. P. Gore and family, accompanied by Mrs. J. P. Dillard, a family friend, spent the past week end in Kings Mountain, N. C. The Gores were attending the wedding of a niece.

A few last minute entries from

the Analytical Laboratory report the lab extending deepest sympathy to Guy Wells over the recent death of his mother-in-law in Atlanta, Ga. . . . Wanda Anderson and her family spent the past week end in Saltville, Va. . . . Marjorie Austin had a recent visit from her brother-in-law, who is just back after a year of service with the Army in Korea.

W. L. Blackford, of the Administrative Department, spent a recent week end with relatives in Nashville. . . . The department welcomes T. C. S. Dagenhart, B. M. Hayes and W. T. Beard to its roster. . . . P. S. Greene spent a recent week end with relatives in Marble, N. C. . . . Get-well wishes are extended to A. Berry, who is on the ailing list. . . . Get-well wishes are also extended to Lois Barnes, who is ill at her home in Knoxville.

Frank Knox and Hank Buttram, of the Materials Chemistry Division, made a recent trip to Galveston, Tex., to attend a meeting of the National Association of Corrosion Engineers — some of the folks in the department firmly believe that Hank and Frank were the cause of the big dust storm by the way they kicked up their heels. . . . Keith Brown and C. F. Coleman made a business trip to Wilson Dam, Ala., on March 21. . . . J. M. Schreyer has been asked to address the Middlesboro, Ky., Lions Club on March 27—and the Pineville, Ky., Rotary Club on March 28. . . . Get-well wishes are extended to Helen Powers, who has been ill for some time. . . . The division welcomes Fred T. Eddy and Charles Blood to the group. . . . Good luck is wished for Catherine Love, who terminated last week.

Congratulations go to L. S. Nabors, of the Administrative Chemical Department, and to his wife, who are the proud parents of an eight-pound, 12-ounce baby girl, born March 17, in the Oliver Springs hospital—the Nabors now have three girls and three boys—Nabors spent last week's vacation at home in Oak Ridge last week keeping house.

The General Administrative Department extends sympathy to M. C. Wiest, whose father, J. H. Wiest, died March 15, in the University of Minnesota Hospital after several weeks of illness. . . . C. G. Campbell, of Transportation, is on a two-week vacation. The Tools Department welcomes B. N. Strunk to their group. Folks down in the Receiving and Shipping Department are missing Ella Mae Moyer, who terminated



## TALLENT - WILDER

Of interest to many Y-12 friends of both the bride and groom was the marriage on Saturday, March 1, of Miss Selma Wilder, of the Y-12 Chemical Department, and Kinmer Tallent, of the Oak Ridge National Laboratory. The wedding was solemnized by the Rev. John C. Holland, of Gamiel, Ky., Church of Christ, at the home of Mr. and Mrs. Frank Phillips, Lenoir City, Tenn.

The bride is the daughter of Mr. and Mrs. Joe Wilder, of Red Boiling Springs, Tenn. Parents of the groom are Mr. and Mrs. C. O. Tallent, of Kern Road, R. F. D. No. 1, Knoxville.

The bride, who was given in marriage by her brother-in-law, James Painter, wore a ballerina length gown of Chantilly lace. Her crown of seeded pearls held her fingertip veil of illusion. Her bouquet was a crescent shaped arrangement of flowers, including a white orchid and lilies of the valley.

Miss Patricia Rowan was maid of honor and wore a gown of peach net and carried a bouquet of yellow roses. William Tallent, brother of the groom, was best man.

The couple took a honeymoon trip of one week after the ceremony and now is at home in Oak Ridge.

## Oak Ridge Is First In Red Cross Drive

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drive, and Paschal Hamrick of the Y-12 Personnel Division, assistant chairman, had the following to say:

"Our success is due entirely to the whole-hearted support by the vast majority of Oak Ridge residents and employees of the Carbide plants here. The response to our 'answer the call' appeal was prompt and generous and we want to thank every contributor and solicitor in the campaign for helping make it a success.

"By coming in ahead of all chapters in the Southeastern Area and being third to reach its quota among the Group No. 3 Red Cross chapters in the United States, Oak Ridge has firmly established itself as a warm-hearted city whose residents recognize the need of the agencies and services rendered by the Red Cross."



Only one Y-12 employee was listed as a parent of a baby born last week at the Oak Ridge Hospital. He was Calvin C. Cherry, of the Cafeteria, who became the father of a girl on March 19.

last week to take a job in St. Louis, Mo.

Viola Alexander, of Chemical, has returned from a pleasant week of vacation at her home in Alcoa. . . . The department extends the wish for a speedy recovery to George Strasser.

A most welcome visitor to The Bulletin office poked his head in the door that day last week when the little gray clouds were sitting right down in our laps and crying out loud. . . . He was Dave Haggard, of Chemical, who brought along a poke of luscious Florida tree-ripened oranges, tangelos (that's the delicious cross between a tangerine and grapefruit) and other citrus fruits. The staff was still wiping juice off their faces at press time. Thanks a lot, Dave, and come again.  
Goom bye for this week.



Mr. and Mrs. Kinmer Tallent

## New Studies Indicate Increased Steel Use

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various types of chemical equipment. He also said that it provides a basis for designing new varieties of stainless steels and allowing greater conservation of strategic alloying materials.

### Two Developments Cited

Two important developments were indicated by this investigation, Dr. Kinzel said. One is that in making stainless steels in which it is desirable to have virtually no carbon, particularly for applications involving welded construction, such control can now be obtained by the use of a new type of extra-low-carbon ferrochromium. Secondly, the use of manganese and nitrogen is becoming increasingly important in chromium stainless steels for many structural applications where a certain amount of carbon will be present for technological or economic reasons. These steels would include, for instance, types used for streamlined trains and architectural purposes.

In the past dozen years, there has been a ten-fold increase in the production of stainless steel. At the present time, the yearly output approaches 1,000,000 tons.



The following Y-12 employees were patients in the Oak Ridge Hospital last week: Edna E. Bonifacius, Analytical Chemistry; Franklin E. Cox, Administrative Normal; Raymond Ledford, Guard; Joe D. Helton and Bert E. Burdette, Field Maintenance; Betty Whitehorn, Superintendents; Fred Robinson, Buildings and Grounds; Edward G. Gardner, Maintenance Shops; Lurla B. Funderburg, Medical.

## Community Playhouse To Give Amphitryon 38 April 3, 4, 5

Amphitryon 38, the fourth Oak Ridge Community Playhouse production of the season, will be presented next Thursday, Friday and Saturday, April 3, 4 and 5, at the Jefferson Junior High School auditorium. The play is a comedy in three acts, written by Jean Giroudoux and translated from the French by the American playwright, S. N. Behrman.

The cast will include Ken Forrestal as Amphitryon, Elizabeth Mott as his wife Alcmene and Sam Milligan as Jupiter. Other parts will be taken by Fred Manne-schmidt, Joe Lesser, William Unger, Lyman Bryan, Pat Smith, Ruth Spreen, Joan Streckwald and Ronnie Bellach.



# NEARLY 400 ENTERED IN CARBIDE BOWLING TOURNEY

## Pepsis Pounce On Robin Team

Knoxville Lassies Get 28 to 20 Win On Court

The Y-12 Robins couldn't find the correct chasers with which to dispose of the Pepsi-Cola basketballers of Knoxville, and lost their Southern Appalachian tournament crown to the fizzle girls last Saturday. The Pepsi lassies turned in a 28 to 20 triumph over the hard-fighting Y-12ers, which added to a prior victory, gave them set and match.

### Y-12er Was Top Scorer

Despite their loss, the Y-12ers had the satisfaction of seeing Ruby McGinnis outscore everybody on the floor with 11 points against 10 for Ray, the Pepsi star who was proclaimed most valuable player of the tournament in the Class A Women's Division. Imogene Loy scored six for the Robins.

The Robins lost to Pepsi-Cola in the opening game of the tournament, then trounced K-25 and Bur Mills before going into the finals. Against Bur Mills the red and white posted a 52 to 36 triumph with Miss McGinnis dropping 23 points through the hoops. Helen Brown got 11 in this game, Sue Strange 9 and Loy 7.

### McGinnis Averaged 16.7

In the four tournament games in which she played, Miss McGinnis scored a total of 67 points, an average of 16.7 per game, good in anybody's league. Her defensive play also was excellent.

## Rusty Five Is Tied For E League Lead; Dash Fours Advance

The Rusty Five climbed to a tie for first place in the E League last Thursday night with a whitewash victory over the Gophers while the Mezzanine Maulers could only take three from the Cut Ups. The Dash Fours also advanced by blanking the Stinkers and the Easy Aces took three from the Three Ds.

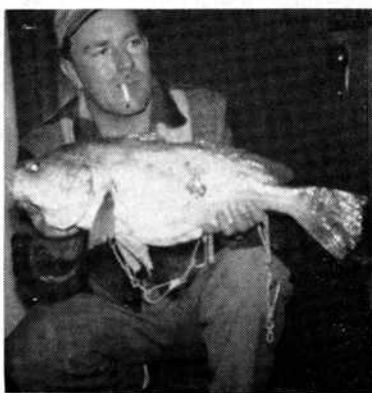
Hibbitts, of the Dash Fours, swept the board in individual scoring with 205, 247, 536 and 662 respectively. The Maulers had the best team game scores with 803 scratch and 997 handicap. The Rusty Five's 2306 scratch series was tops as was the 2901 handicap series of the Dash Fours.

Team	W	L
Mezzanine Maulers	27	13
Rusty Five	27	13
Three Ds	23	17
Dash Fours	22	18
Easy Aces	20	20
Cut Ups	17	23
Gophers	13	27
Stinkers	11	29

## Streak Is Snapped But Y-12ers Win

The winning streak of the Y-12 women's varsity bowling team met its hoodoo at 13 last week, the keglerettes losing at that point to the league leading Rickers team after capturing 12 straight. However, the Y-12ers rallied and took the next two games for a victory and remained in fourth place. Rickers and EAT are tied for first place.

The Y-12 team scores last Thursday were 706, 717, 790—2213; to 759, 709, 669—2133 for Rickers. Juanita Kirwan topped the Y-12ers with 181, 125, 174—480 and was followed by Ruby McGinnis 119, 197, 148—464; Katie Williams 133, 133, 170—436; Margaret O'Neal 129, 129, 159—417; and Doris Moore 144, 133, 139—416.



W. A. "BILL" BURNS GAVE up a highly successful career as manager of the Y-12 Cardinals baseball club to take up the less strenuous sport of fishing. He is one of the bright and early entrants in the 1952 Y-12 Fishing Contest with the big and ornery looking drum pictured above.

## Y-12 Fishing Rodeos Planned To Give All Family Shot At Loot

Here's something new in the way of a fishing contest for Y-12 fishermen—and their families. It is a series of fishing rodeos, in which Pop can enlist the aid of angling members of the family in efforts to land the biggest fish of several species and thereby win some valuable prizes.

Recreation Supervisor Arnold Tiller is working this week on plans and dates for the fishing rodeos. Several of the events will be held to give all Y-12 anglers an opportunity to try for the prizes. The complete rules and dates will be published in The Bulletin next week.

The fishing rodeos are separate and apart from the regular Y-12 1912 Fishing Contest, but fishermen may enter both contests—the fish being willing. The rodeos allow immediate members of the family of a Y-12er to participate with the largest fish caught by any of these family members eligible for entry in the rodeo.

So don't miss the announcement next week in The Bulletin on the rodeos.

## Woes Climb Nearer W League Crown, Beating Hi Balls

The Woes took another step nearer the second half of the season championship in the W League of plant keglerettes last week by swallowing the Hi Balls in stride in two out of three games. The Woes won the first half title. In other loop matches last week the Controllers took three from the Cracker Jax by forfeit, the Strickettes bagged two from the Mix Ups and the Make Ups mauled the Kemps by the same margin.

Evelyn "Fiz" Tucker, of the Kemps, had a 190 scratch and 235 handicap game for tops in those brackets and Verna Peckman, of the Controllers, bagged a 487 scratch and 622 handicap series for best of the night. Although winning by default the Controllers had high scores in scratch game with 757, handicap game of 986 and scratch series of 2048. The Make Ups rolled a 2754 handicap series to get into the act.

Team	W	L
Woes	21	9
Controllers	19	11
Strickettes	17	13
Kemps	15	15
Mix Ups	13	17
Make Ups	13	17
Cracker Jax	12	18
Hi Balls	10	20

Every woman has a price on her head—if she wears a hat.

## Golf, Softball Organizational Meetings Set For This Week

Links Enthusiasts Will Meet At 3 P. M. Thursday; Diamond Teams Called For Session On Friday

Softballers are limbering up their arms and golfers their swings as the opening of the seasons in both sports will be coming along soon for Y-12ers.

The golfers will be first to organize for the coming season. A meeting of all golfers interested in the reorganization of the popular Y-12 league that functioned last year are urged to attend a meeting at 3 o'clock tomorrow afternoon, Thursday, March 27, at the Recreation Office, North Portal. Team captains are particularly urged to be present, or to have representatives on hand. The league had 10 teams last year and was one of the most entertaining recreational features open to all employees.

Softballers are asked to attend a meeting at 3 o'clock Friday afternoon, March 28, at the Recreation Office. Players wanting to play both fast and slow pitch games are urged to attend, as efforts will be made to form leagues for both groups.

Practice schedules for plant teams and the varsity squads of both men and women softball squads are expected to be announced within the next few days.

## Y-12 Pistol Team Wins Second Half Title; Defeats K-25 Gunmen In Final Encounter

The Y-12 pistol team wound up its winter season last week by trimming K-25 and finishing first in the second half of the league season. The Y-12ers finished third for the entire season, trailing the Atomic Energy Commission and K-25 in first and second places, respectively. The Y-12ers were improving steadily at the end of the season and were consistently outscoring their opponents.

## D League Tighter Than Olive Stuffing As Old Men On Top

The standings in the D League were tighter than the pimento in a stuffed olive after bowling activities last week, with only seven points separating the first seven teams in the loop. The Old Men tottered into first place by whipping the Grocers for three points, the Toppers toppled from the three-way tie existing prior to the night's fun by taking a four-point whitewash licking from the Vectors, the Hoboes humbled the Woodchucks for three and the Isotopes became radioactive to take the Activators by the same edge.

Guy Peterson, of the Woodchucks, continued his good scoring by getting the best individual game tallies of the night, a 238 scratch and 264 handicap. Hobey Thomas, of the Hoboes, posted a 542 scratch series for tops and Crabtree, of the Grocers, had a 625 handicap series for best of the night in his first appearance of the season.

Team	W	L
Old Men	27	17
Grocers	25	19
Vectors	25	19
Toppers	24	20
Hoboes	24	20
Activators	23	21
Woodchucks	20	24
Isotopes	8	36

## Bowlers Of Y-12 Get Good Scores In State Tourney In Knoxville

Y-12 bowlers did fairly well by themselves in the Tennessee Bowling Association in Knoxville over the past week end. Roy Roberts led in the "A" Division with a sizzling 624 series and with Len Hart was second in doubles in the same division with 1156.

Ernie Cobble and Elmore Koons were second in doubles in the "B" Division doubles with 1173, aided by a great 270 single game by Cobble. Joe Pryson and Connie Roberts were third in this group with 1121. In the "A" Division Jack Spears and Frank Gragg posted 1091. Pryson topped the "B" singles with 611.

The Rippers of the Y-12 B League were third in the "C" team list with 2521 and the Y-12 varsity team was third in the "A" group with 2580.

## Rippers Take Second Place In B League; Comets Blank Foes

The Bumpers protected their three-game lead in the B League last week by trimming the Wolves by three points as the Rippers advanced into second place with a similar victory over the Bums. In the other engagements the Comets blanked the Bldg. 9211 bowlers, One-91 took the All Stars, the Cubs clawed the Tigers and the Wasps stung the Rebels, each by three points.

## Women Bowlers Get 11th In Tournament

Y-12's women bowlers finished 11th in the Tennessee state bowling tournament held recently in Memphis, final tabulation of the event revealed. The team received a \$27.50 cash prize. In singles Margaret O'Neal finished 22nd and Katie Williams 24th.

Team	W	L
Bumpers	19	5
Rippers	16	8
Tigers	14	10
Cubs	14	10
Wasps	14	10
Bums	13	11
Wolves	11	13
All Stars	11	13
Rebels	11	13
Comets	10	14
One-91	6	18
Bldg. 9211	5	19

## Y-12 Has 25 Teams In Company Event Opening Saturday

20 Men's Outfits And 25 Women's Groups Of Plant Seeking Titles

Nearly 400 Carbide bowlers from the three Company units in Oak Ridge will begin timber toppling in the annual All-Carbide tournament this week end at the Oak Terrace alleys. Teams are scheduled to bowl on Saturday and Sunday, March 29 and 30, with a few left over to roll on the following Saturday, April 5. Doubles and singles events will be run off April 5 and 6.

### 79 Teams Are Entered

A total of 79 teams are entered in the All-Carbide tournament. Of this number Y-12 has entered 20 men's teams and five women's groups. K-25 has 43 teams, 39 of men and four of women. Oak Ridge National Laboratory has entered nine men's teams and two women's teams.

Men's teams entered from Y-12 are the Mezzanine Maulers, Old Men, Rusty Five, Tigers, Hornets, Rebels, Bums, Orphans, Hurricanes, Hooks, Wolves, Isotopes, Wasps, Comets, All Stars, Bumpers, Three Ds, Activators, Rippers and Grocers. The five feminine teams entered are the Kemps, Controllers, Make Ups, Woes, and Mix Ups.

### Team Schedules Published

The complete schedule for Y-12 teams is published below. The schedule for doubles and singles will be posted at the Oak Terrace alleys and also will be available at the Recreation Office and secretaries of the various Y-12 bowling leagues.

**SATURDAY, MARCH 29**  
12 noon, Mezzanine Maulers, Alley 3.  
Old Men, Alley 9. Mix Ups, Alley 6.  
2:30 p. m., Kemps, Alley 7.  
6 p. m., Rusty Five, Alley 3. Tigers, Alley 5. Controllers, Alley 7. Hornets, Alley 9.  
8:30 p. m., Rebels, Alley 3. Make Ups, Alley 10.

**SUNDAY, MARCH 30**  
12 noon, Bums, Alley 4. Orphans, Alley 6. Hurricanes, Alley 7.  
2:30 p. m., Hooks, Alley 3. Wolves, Alley 8. Isotopes, Alley 10. Wasps, Alley 12.  
6 p. m., Comets, Alley 3. All Stars, Alley 5. Bumpers, Alley 7. Woes, Alley 9. Three Ds, Alley 12.  
8:30 p. m., Activators, Alley 3. Rippers, Alley 10.

**SATURDAY, APRIL 5**  
6 p. m., Grocers, Alley 3.

## All C Loop Winners Blank Foes; 'Canes Retain First Place

None of the winning teams in the C League last week showed any mercy to their opponents, all victories being by the whitewash route. The victors were the Hurricanes over the Thin Pins, Guards over the Orphans, Hornets over the Moles and Hooks over the Short Circuits.

Ray Duckworth, of the Hornets, took most individual scoring honors with a 223 scratch game, 257 handicap game that was high for the second round of play, and a 605 handicap series. Len Hart occupied his usual role of high man in scratch series with 560. The Hurricanes hogged most team scoring honors with a 858 scratch game, 2456 scratch series and 2903 handicap series. The Hornets' 1026 handicap game was tops.

Team	W	L
Hurricanes	37	11
Guards	31	17
Hornets	28	20
Orphans	25	23
Hooks	25	23
Thin Pins	18	30
Moles	16	32
Short Circuits	12	36

Middle age is when a night out is followed by a day in.



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**Ride Wanted**—From 149 Salem Road, Oak Ridge, rotating shift. Dave Samuel, home telephone 5-3921.

**Three Riders Wanted**—From Clinton, straight day. E. B. Richardson, plant telephone 7444.

**Four Riders Wanted**—From Hillside Road, via Hamilton Circle, Oak Ridge, straight day. Howard Garrison, home telephone 5-2384.

**Riders Or Ride Wanted**—From Sweetwater, 7:30 a. m. to 5 p. m. shift. Lester E. Powell, plant telephone 7512.

**Ride Wanted**—From Knoxville, straight day. Ella Mae Koontz, plant telephone 7349, home telephone 2-2281.

**Ride Wanted**—From Fountain City, rotating shift. F. R. Monroe, plant telephone 7573, home telephone 6-6707.

**Riders Wanted, Or Want To Participate In Car Pool**—From vicinity of Principia Lane, Oak Ridge, straight day. Frances H. Loving, plant telephone 7191, home telephone 5-2818.

**Red Cross Home Nursing  
Classes Open Tomorrow**

Classes in home nursing will be opened by the Oak Ridge Chapter of the American Red Cross, tomorrow, Thursday, March 27. Miss Mary Williams, home nursing representative for the Southeastern Area of the Red Cross, from Atlanta, Ga., will instruct the classes. The classes will last for six hours daily for five days. A baby sitter will be provided to care for children of mothers taking the course.

**Sportsmen To Hear  
Conservation Talks**

Wildlife conservation will be the theme at a dinner to be given tomorrow night, Thursday, March 27, by the Oak Ridge Sportsmen's Association. The affair will be held in the Starlight Room of the Oak Terrace. Efforts were being made last week to have a prominent authority on conservation speak at the dinner.

**SMOKEY SAYS—**

1. Hold your match 'til it's cold—then pinch it to make sure.
2. Crush out your cigarette, cigar, pipe ashes. Use an ash tray!
3. Drown your campfire, then stir and drown again.
4. Ask about the law before burning grass, brush, fence rows, or trash.

**Remember—Only you can  
PREVENT FOREST FIRES!****Physics Seminar Will Meet  
Friday. Also April 1 And 2**

The meeting this week of the Oak Ridge Physics Seminar will be held at 3 o'clock Friday afternoon in Room 107, Bldg. 3022, Oak Ridge National Laboratory. Y-12ers intending to attend the session are urged to note the change in time and place of the meeting.

The speaker will be Dr. J. C. Slater, of the Massachusetts Institute of Technology, now stationed at the Brookhaven National Laboratory. His subject will be "Electronic Wave Functions for Magnetism and Chemical Binding."

Two additional meetings have been set by the organization for 8:30 o'clock next Tuesday and Wednesday mornings, April 1 and 2, with Dr. Hans Bethe, of Cornell University, as speaker. The meetings will be held at the same location as the Friday session with the Tuesday topic being "Mesons" and the Wednesday subject "Nuclear Resonances." Dr. Bethe currently is with the Atomic Energy Commission's Los Alamos, N. M., Laboratory.

**Y-12ers Take Three  
From Lab Pinmen**

The scores of the Y-12 varsity bowling team were not impressive in each game against Oak Ridge National Laboratory on Monday night, March 17, but the Y-12ers managed to pull out with a three-point victory over the Labsters and hold their second place position in the Oak Ridge City League. The Y-12 scores were 901, 847, 862—2620; against 841, 750, 901—2492.

Roy Roberts banded out a 552 series to top the Y-12 individual scoring and was followed by Len Hart 546, Ernie Cobble 509, Frank Gragg 507, and Jack Spears 498.

**Bowling Body Sets  
Election Tonight**

Every Y-12 bowling team is urged to have a representative at the annual meeting and election of officers by the Oak Ridge Bowling Association at 8:15 o'clock tonight, Wednesday, March 26. The meeting will be held in the Dance Studio quarters at the Oak Terrace. Association Secretary R. G. Williams points out that each team is entitled to a vote for officers and that all bowlers in Y-12 should attend, as they are automatically members of the association. Refreshments will be served.

**Great A-Bomb Robbery Story Opens With Description Of Efforts  
Made To Keep Secrets Of Vital Weapon In Hands Of United States**

Continued from Page 1

by Dr. Klaus Fuchs and Harry Gold—now serving 14 and 30-year prison sentences, respectively—does not detract from the drama of its activities.

It protected and was the "keeper" of top scientists attached to the project (most of whom had code names). It operated in a realm of espionage and counter-espionage well above the reach of

the FBI, whose agents it would not permit near certain installations. It censored or stopped mail of MED (Manhattan Engineering District) employees. It had men in Switzerland and Sweden not adverse to kidnaping German physicists who ventured there for lectures. Or shooting them.

**Built "Private Asylum"**

It built what amounted to a private insane asylum for a naval officer who became a psychiatric case after absorbing too much valuable information at Oak Ridge. It feared that if he were placed in a regular asylum he might talk. It maintained an agent as a bartender at the LaFonda Hotel, Santa Fe, N. M., frequented by scientists and technicians attached to super-secret Los Alamos Laboratory, where the bomb was assembled.

Under Groves' system of "compartmentalization" most of the scientists on the project were permitted to know what the man on the left or right was doing, but not the men beyond that. Some top scientists, including Fuchs, to his indignation, were barred from visiting installations aside from the one in which they worked.

**Oak Ridge Firemen Barred**

Firemen who responded to a fire inside the gates at Oak Ridge were denied admission, because they lacked credentials. The building burned to the ground. The mayor of Cambridge, Mass., was

investigated because he said, at a dinner where Dr. James Bryant Conant was a guest, that the United States was making a powerful new explosive in Tennessee and shipping it to the Pacific by way of San Francisco. (Turned out that he had in mind RDX—a putty-like extra high explosive.)

One day at the Pentagon a corporal who worked at Oak Ridge demanded to see Groves. He was admitted and then blurted:

"I want to make a complaint against the army's handling of Oak Ridge. I have enough scientific background to know we're attempting to make an atomic bomb, and . . ."

**Fear Of Capture Seen**

Groves invited the corporal to sit down and chatted with him for half an hour—long enough to enable an aide to photostat all the papers in the briefcase the corporal left in the outer office. Groves was urged to send the corporal into a combat group, but he refused for fear that he might be captured.

In the fall of 1944, war bond officials invited Dr. Frederic Joliot-Curie, co-winner of the 1935 Nobel Prize in chemistry, to fly to New York to speak at a sales rally.

MED assigned Col. Tony Calvert to intercept him. Colonel Calvert moved in on him at a hotel in London and stalled him—on the excuse that bad weather had grounded planes out of Prestwick—until he missed the speaking date. Part of the stalling process included placating the Frenchman with a suit and a camel-hair coat. **French Communist Blocked**

Joliot-Curie, a Communist sympathizer, had been the only top-notch atomic scientist who refused to stop publishing scientific papers during the war. MED blocked him because it felt he would certainly meet with friends in our own advanced atomic research program in the United States and take back what he learned to Paris, and then Moscow.

In all, about 750 agents (500 of them FBI) worked in or on the environs of the A-Bomb project, which employed 225,000 directly and another 600,000 indirectly. But they were defeated by forces beyond their control or by forces too innocent-looking to arouse suspicion. It was (and remains) the costliest defeat in the history of the republic and of free men.

(Next week: The beginning of Russia's great A-Bomb robbery.)

**Attendance Record**

MAJOR LEAGUE More Than 50 Employees Scheduled				
Dept.	Percentage Absent	3-16-52	Standing	3-9-52
2619	0.3	1	2	
2060	1.75	2	4	
2077	1.81	3	6	
2091	2.20	4	3	
2773	2.24	5	9	
2001	2.3	6	15	
2617	2.9	7	5	
2003	3.2	8	7	
2739	3.4	9	1	
2014	4.1	10	11	
2008	4.15	11	16	
2015	4.18	12	8	
2790	4.21	13	14	
2618	4.4	14	10	
2018	5.7	15	12	
2142	7.4	16	13	

Group absentee percentage was 3.3 per cent, .1 per cent lower than the preceding week.

MINOR LEAGUE 15-49 Employees Scheduled				
Dept.	Percentage Absent	3-16-52	Standing	3-9-52
2743	0.0	1	4	
2200	0.0	1	5	
2109	0.0	1	11	
2144	1.25	2	1	
2143	1.33	3	7	
2133	1.6	4	10	
2107	1.7	5	1	
2145	2.1	6	1	
2108	2.2	7	3	
2096	2.56	8	14	
2005	2.63	9	12	
2064	2.9	10	2	
2616	5.2	11	13	
2002	5.4	12	6	
2090	6.7	13	8	
2093	9.0	14	9	

Group absentee percentage was 2.7 per cent, .3 per cent lower than the preceding week.

The plant average for the week ending March 16 was 3.2 per cent, .1 per cent lower than the preceding week.

**Safety Engineer Of Y-12  
On Program Of Institute**

A paper on "Electrical Detonation of Explosives" will be presented at the safety institute to be conducted March 27 and 28 at the University of Tennessee by Paul C. Ziemke, of the Y-12 Safety Department. The institute is being conducted jointly by the University of Tennessee Extension Division and the East Tennessee Chapter of the American Society of Safety Engineers. Sessions of the institute will be held at Farris Hall.

**Angele Reelected  
To Head Squadron**

G. J. Angele, of the Y-12 Engineering Department, was reelected commander of the Oak Ridge Power Squadron last Friday night. Other officers elected were R. J. Wertz, of K-25, lieutenant commander; Alfred Patterson, formerly of Y-12, secretary; and R. R. Lowery, of K-25, treasurer. Board of directors members named were W. C. Tunnell and George Lockhart, both of Y-12; David Ravage, of K-25, and William Johnson, of Knoxville.

**GOOD PROGRESS REPORTED**

Gwilym A. Price, president of the Westinghouse Electric Corp., is quoted by the Associated Press as reporting the Company, Atomic Energy Commission and the Navy were pleased at progress made in developing an atomic power plant for submarines. 6-4498



IN THE TOP PICTURE ARE SHOWN Y-12ERS IN THE OAK Ridge Symphony Orchestra that gave the premiere performance of "Overture To The Dedication Of A Nuclear Reactor" presented March 19. From left are Dr. Waldo Cohn, conductor; Richard

Metcalfe, trumpet; Mrs. Margaret Adcock, oboe; Donald Zucker, French horn; and Arthur Roberts, of the University of Rochester, N. Y., composer of the overture. The entire orchestra of about 60 pieces is shown at bottom.

Y-12 Photos By Vince Moore